

National Youth Science Forum (NYSF)

Inspiring young Australians
to futures in science since 1984



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What is NYSF?

A series of programs running across the year

- the January Sessions – Canberra and Perth
- Next Step
- International Program
- Staff Leadership Training
- Indigenous Program
- National Science Teachers Summer School



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Who attends the January Sessions?

- ✓ students just entering Year 12
- ✓ contemplating a career in the sciences
- ✓ wide range of interests
- ✓ good communicators



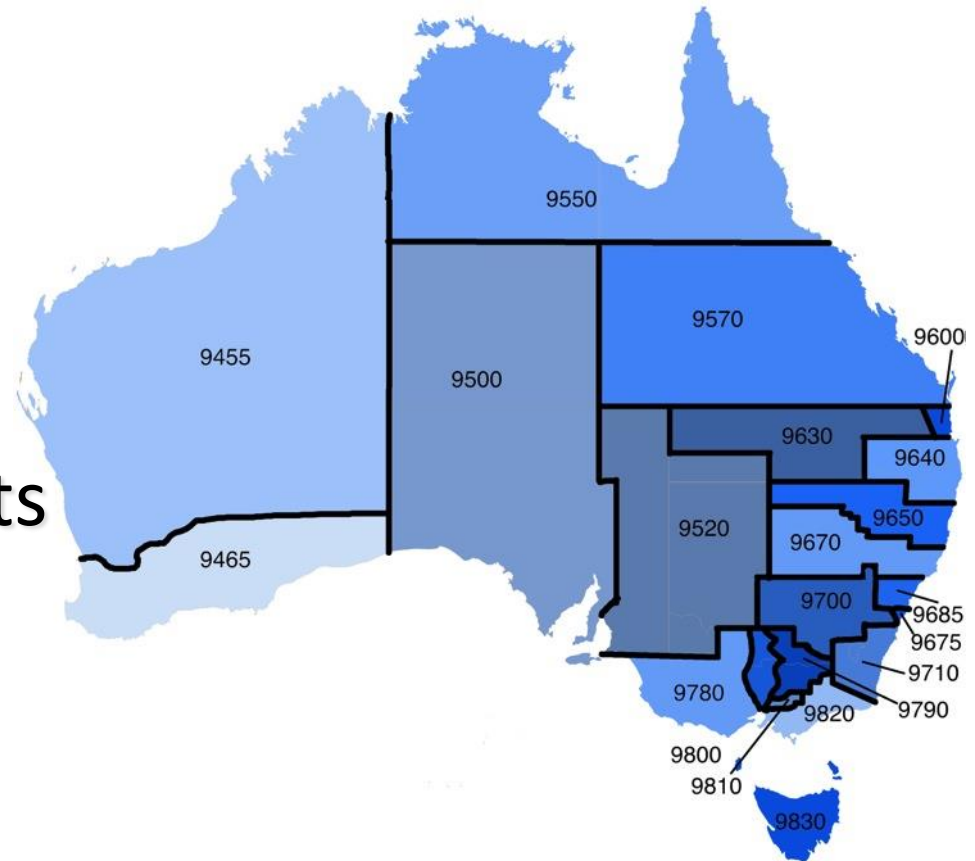
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Where do students come from? (1/2)

450 students selected annually by founding partners Rotary.

Regional quotas
in various Rotary Districts
guarantee equal
representation from
the city and the bush.



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Where do students come from? (2/2)

Over 600 volunteers on 62 Selection Committees interview students around the country. In 2013, 1,300 students applied.

2014 - also host international students from Germany, Canada, New Zealand, South Africa, Brazil.



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When are the Sessions held?

Session A Canberra

Monday 5 – Saturday 17 January 2015

Session B Perth

Monday 12 – Saturday 24 January 2015

Session C Canberra

Monday 19 – Saturday 31 January 2015



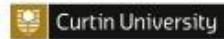
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Our current partners



Rotary – Founding Partners

- Supports quality programs developing young people
- Provides national spread for selections



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Rotary



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What happens at the January Sessions?

- Laboratory visits (Canberra or Perth)
- Keynote addresses and workshops
- Debates and forums
- Science Dinners
- Socialising
- Networking
- Live on site at university campus –
with your own room



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Laboratory visits



A photograph of four students (three males and one female) in a laboratory setting. They are all wearing bright yellow lab coats and respirators. The student on the far left is giving a thumbs up. They are holding various pieces of scientific equipment, including a blue and silver device, a clear container, and a yellow bottle. In the background, there is a white van with 'Chem' and 'HA' visible on its side.



The bottom of the slide features the National Youth Science Forum logo on the left, which consists of a circular emblem with a stylized sun/moon and stars. To the right of the logo is the text 'NATIONAL YOUTH SCIENCE FORUM'. Further right is a horizontal strip of various blue and white icons representing different scientific fields: biology (microscope, cell), chemistry (flasks, test tubes), physics (gears, circuit), and general science (atom, DNA helix, rocket).



Laboratory visits



A photograph of four students (three males and one female) standing in a laboratory or industrial setting. They are all wearing bright yellow protective lab coats and respirators. The student on the far left is giving a thumbs up. They are holding various pieces of equipment, including what looks like a small robot or sensor, a container with a blue liquid, and a bottle with a yellow liquid. In the background, there is a white van with 'Chem' and 'HA' visible on its side, and a blue metal cage.



The bottom of the slide features the National Youth Science Forum logo on the left, which consists of a circular emblem with a stylized sun/moon and stars. To the right of the logo is the text 'NATIONAL YOUTH SCIENCE FORUM'. Further right is a decorative banner composed of various blue and white icons representing different scientific fields: biology (microscope, cell), chemistry (flasks, test tubes), physics (gears, circuit), and general science (atom, DNA helix, rocket).



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networking, science dinners and socialising



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...and time to do the washing too




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A close-up photograph of a young man with brown hair, wearing a dark blue t-shirt, looking through the eyepiece of a light-colored compound microscope. His right hand is on the microscope's base. In the background, another student's head is partially visible, and the ceiling has a grid pattern.

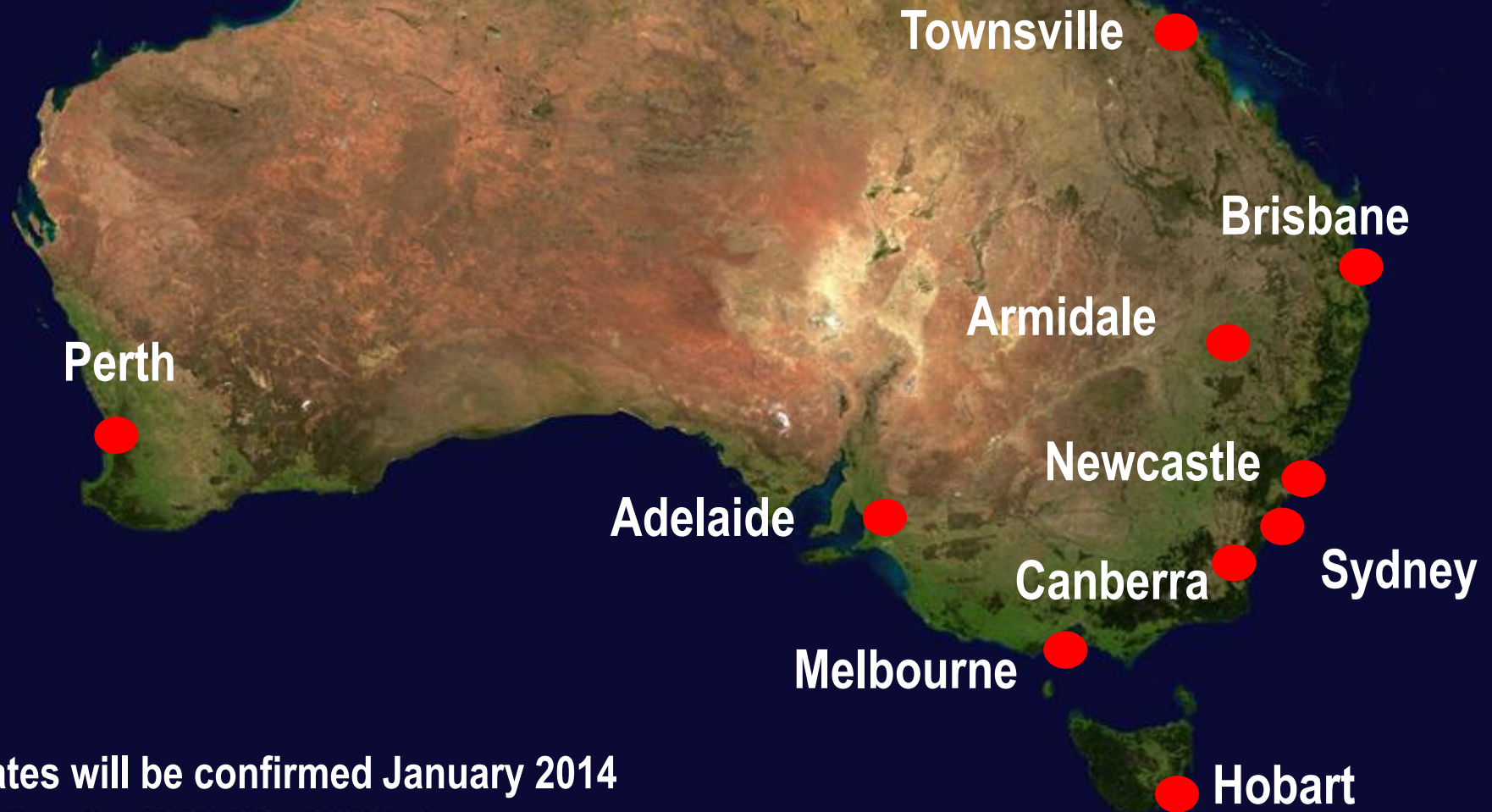
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A collage of three photographs. The leftmost photo shows three students in blue raincoats on a boat, with one student in the foreground wearing a hood and looking excitedly at the camera. The middle photo shows a group of students in a workshop or classroom setting, focused on a hands-on activity involving wooden blocks and sticks. One student in the foreground is wearing a black t-shirt, and another in the background is wearing a blue t-shirt with 'Paul Mitchell' branding. The rightmost photo is a partial view of a student working at a desk in a classroom or office environment.



2014 Next Step Program



Dates will be confirmed January 2014

NYSF International Program

Open *exclusively* to NYSF students.

There are 40+ places available annually
in 7 different programs.

Applications close in late February.

In 2013 our students travelled to...



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Canada Wide Science
Fair

International Science Summer
School (Heidelberg, Germany)





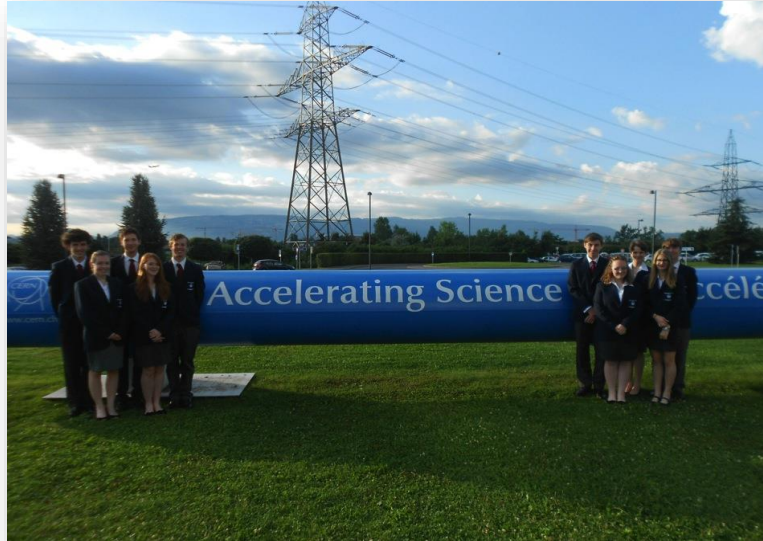
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Research Science Institute at MIT (Boston, USA)



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National Youth Science Week
(Pretoria, South Africa)

London International
Youth Science Forum





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Stockholm International Youth Science Seminar



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ESOF
2014
COPENHAGEN
EUROSCIENCE
OPEN
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The Euroscience Open Forum, Copenhagen



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NYSF Staff Leadership Training Program



The NYSF student staff are drawn from this program to run each year's program.



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Indigenous Youth Science Forum

Launched October 2011 in Perth

Some students attended
NYSF in 2012 and 2013.

October 2013 24 students
from remote WA will attend
5-day program in Perth.
Four of last year's students
will return as mentors.



RioTinto

IYSF is sponsored by Rio Tinto, IBM and Defence Science & Technology Organisation and supported by The University of Western Australia, Curtin University, the Department of Education (WA), the Polly Farmer Foundation, and the Chem Centre.



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National Science Teachers Summer School

Sunday 12 – Saturday 18
January, 2014



*...a joint initiative with the **Australian Science Teachers Association**,
and proudly supported by the Australian National University*



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Our alumni

- Since 1984, almost 9,000 students have attended
- Alumni remain engaged with NYSF through communication activities, and social media
- We encourage Alumni to connect with each other via NYSF activities



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A recent alumni survey

- Going to NYSF significantly widens the study choices that students make at university.
- NYSF alumni have a *higher chance* of getting university scholarships than their non-alumni peers.
- NYSF alumni are *more likely* to complete their university undergraduate and post-graduate studies.
- NYSF students love the networks and social links that the program builds.



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Tanya Ha



NYSF 1989

- Presenter ABC-TV's "Catalyst",
- SBS Series "Eco House Challenge";
- Author, Environmental Campaigner



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James Moody



NYSF 1993



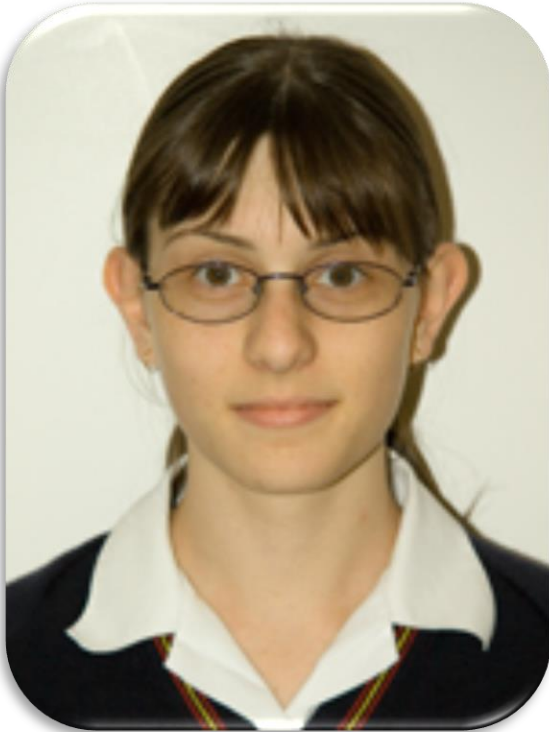
James Moody in 2013:

- PhD Electrical Engineering (UNSW)
- ABC-TV “The New Inventors”
- Executive Director, Development, CSIRO



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Sarah Don



NYSF 2008



Sarah Don in 2013:

- 5th year BSc in Nuclear Science and Engineering at MIT (Boston)
- Licensed operator of MIT's research reactor